

0051544

Chemical and Environmental Measurement Information

Recra LabNet Philadelphia Analytical Report

Client: TNU-HANFORD B99-062

RFW#: 9904L832

SDG/SAF #: H0395/B99-062

W.O. #: 10985-001-001-9999-00

Date Received: 04-30-99

GC/MS VOLATILE

Four (4) water samples were collected on 04-28-99.

The samples and their associated QC samples were analyzed according to criteria set forth in Recra OPs based on SW 846 Method 8260A for TCL Volatile target compounds on 05-01,12-99.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. The cooler temperature upon receipt has been recorded on the chain-of-custody.

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- 2. The required holding time for analysis was met.
- 3. Non-target compounds were detected in the samples.
- 4. Sample B0VDC6 required medium level analysis due to high levels of both target and non-target compounds.
- 5. All surrogate recoveries were within EPA QC limits.
- 6. The method blanks contained the common laboratory contaminants Methylene Chloride and Acetone at levels less than the CRQL.

J. Michael Taylor

Vice President

Philadelphia Analytical Laboratory

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The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 15 pages.

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GLOSSARY OF VOA DATA

DATA QUALIFIERS

- U = Compound was analyzed for but not detected. The associated numerical value is the estimated sample quantitation limit which is included and corrected for dilution and percent moisture.
- J = Indicates an estimated value. This flag is used under the following circumstances: 1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; or 2) when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. For example, if the limit of detection is 10 ug/L and a concentration of 3 ug/L is calculated, it is reported as 3J.
- B = This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination. This flag is also used for a TIC as well as for a positively identified TCL compound.
- E = Indicates that the compound was detected beyond the calibration range and was subsequently analyzed at a dilution.
- D = Identifies all compounds identified in an analysis at a secondary dilution factor.
- 1 = Interference.
- NO = Result qualitatively confirmed but not able to quantify.
- N = Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
- X = This flag is used for a TIC compound which is quantified relative to a response factor generated from a daily calibration standard (rather than quantified relative to the closest internal standard).
- Y = Additional qualifiers used as required are explained in the case narrative.

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GLOSSARY OF VOA DATA

ABBREVIATIONS

BS = Indicates blank spike in which reagent grade water is spiked with the CLP matrix spike solutions and carried through all the steps in the method. Spike recoveries are reported.

BSD = Indicates blank spike duplicate.

MS = Indicates matrix spike.

MSD = Indicates matrix spike duplicate.

DL = Suffix added to sample number to indicate that results are from a diluted analysis.

NA = Not Applicable.

DF = Dilution Factor.

NR = Not Required.

SP, Z = Indicates Spiked Compound.

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Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

RFW Batch Number: 9904L832 Client: TNU-HANFORD B99-062 Work Order: 10985001001 Page: la

	Cust ID:	B0VDC	7	B0VDC	8	B0VDC	9	B0VDC	6	VBLKAR		VBLKCE	
Sample Information	RFW#: Matrix: D.F.: Units: Level:	00 WATER 1.4 UG/1 LOW	00	00: WATER 1.0 UG/I LOW	00	003 WATER 1.0 UG/I LOW	00	004 WATER 8.(UG/I MED	0	99LVN134-1 WATER 1.(UG/1 LOW	00	99LVH154-A WATER 8.0 UG/1 MED	00
	Toluene-d8	100	%	99	- <u>-</u>	100	ક	108	૪	100	왕	96	~
Surrogate Brow	mofluorobenzene	103	8	101	용	100	*	97	왕	102	*	96	8
Recovery 1,2-Dic	chloroethane-d4	106	* =1	106	% €1	106	و ج	88	%	106	8	85	8
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		10	U	10	U	10	Ū	5000	Ü	10	U	5000	Ü
Vinyl Chloride		10	Ū	10	Ū	10	Ū	5000	Ü	10	Ū	5000	Ü
Chloroethane		10	U	10	U	10	U	5000	U	10	Ü	5000	Ū
Methylene Chloride		5	U	5	Ū	5	U	6200	В	1	J	2300	J
_		2	JB	2	JВ	5	JВ	80000	В	4	J	1800	J
Carbon Disulfide		5	U	5	Ū	5	Ŭ	2500	U	5	Ū	2500	U
1,1-Dichloroethene		5	U	5	U	5	Ü	2500	U	5	Ū	2500	Ü
1,1-Dichloroethane		5	U	5	U	5	U	2500	Ū	5	Ü	2500	Ü
1,2-Dichloroethene	(total)	5	U	5	U	5	U	2500	U	5	Ū	2500	บ
Chloroform		5	U	5	Ū	5	U	2500	Ü	5	Ū	2500	U
1,2-Dichloroethane		5	Ū	5	U	5	Ū	2500	Ü	5	Ū	2500	Ü
2-Butanone		10	U	10	U	10	U	5000	U	10	U	5000	U
1,1,1-Trichloroetha	ane	5	U	5	Ü	5	บ	2500	U	5	Ü	2500	Ü
Carbon Tetrachlorid	de	5	U	5	Ų	5	Ū	2500	U	5	Ū	2500	Ü
Bromodichloromethan	ne	5	U	5	U	5	U	2500	U	5	U	2500	U
1,2-Dichloropropane	e	5	U	5	Ū	5	U	2500	Ū	5	Ū	2500	Ū
cis-1,3-Dichloropro	pene	5	U	5	Ū	5	Ų	2500	U	5	U	2500	Ü
Trichloroethene		5	U	5	U	5	U	2500	Ū	5	Ū	2500	U
Dibromochloromethan	ne	5	U	5	U	5	Ū	2500	U	5	Ū	2500	Ü
1,1,2-Trichloroetha	ine	5	U	5	U	5	U	2500	U	5	Ü	2500	Ü
Benzene		5	บ	5	Ų	5	U	2500	U	5	U	2500	Ü
Trans-1,3-Dichlorop	ropene	5	U	5	U	5	U	2500	U	5	U	2500	Ū
^		5	U	5	U	5	U	2500	U	5	U	2500	Ū
4-Methyl-2-pentanon	ne	10	U	10	U	10	U	5000	U	10	Ü	5000	Ū
2-Hexanone		10	U	10	U	10	U	5000	U	10	Ū	5000	Ū
Tetrachloroethene		5	U	5	U	5	U	2500	U	5	Ū	2500	Ü
1,1,2,2-Tetrachloro		5	U	5	U	5	U	2500	U	5	Ū	2500	Ü
Toluene		5	U	5	U	5	U	600	J	5	Ū	2500	Ŭ
*= Outside of EPA C	LP QC limits.									al an		- 7	

905-1397

Report Date: 05/13/99 16:18

RFW Batch Number: 990	41832 Clie	ent: TNU-	HANFO	RD_B99-06	2	Work C	r <u>de</u> r	<u>: 1098500</u> 1	001	Page: 11	b		M
	Cust ID:	BOVDC7		B0VDC8	1	BOVDC9)	B0VDC6	5	VBLKAR	_	VBLKCE	5
	RFW#: Level:	001 LOW		002 LOW	:	003 LOW	i	004 MED	Į	99LVN134-1 LOW	MB1	99 LVH154- MED	B1
Chlorobenzene		5	U	5	Ū	5	Ū	2500	Ū	5	Ū	2500	_ U
Ethylbenzene		5	U	5	U	5	U	39000		5	U	2500	U
Styrene		5	U	5	Ŭ	5	U	2500	Ū	5	U	2500	U
<pre>Xylene (total) *= Outside of EPA CLP</pre>	QC limits.	5	U	5	U	5	Ü	44000		5	U	2500	U

VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE	NO
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TENTATIVELY IDENTIFIED COMPOUNDS	 B0VDC7
Lab Name: Recra.LabNet Contract: 10985	<u> </u>
Lab Code: Recra Case No.:	SAS No.: SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: 9904L832-001
Sample wt/vol:5.00 (g/mL) ML	Lab File ID: <u>n050105</u>
Level: (low/med) <u>LOW</u>	Date Received: 04/30/99
% Moisture: not dec	Date Analyzed: 05/01/99
Column: (pack/cap) <u>CAP</u>	Dilution Factor: 1.00
	ENTRATION UNITS: L or ug/Kg) <u>UG/L</u>
CAS NUMBER COMPOUND NAME	RT EST. CONC. Q
1.	9.032 20 J

VOLATILE ORGANICS ANALYSIS SHEET

EPA	SAMPLE	NO
	OTHER PIE	110.

TENTATIVELY IDENTIFIED COMPOUNDS	 B0VDC8
Lab Name: Recra.LabNet Contract: 10985	· · · · · · · · · · · · · · · · · · ·
Lab Code: Recra Case No.:	SAS No.: SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: 9904L832-002
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: n050106
Level: (low/med) <u>LOW</u>	Date Received: 04/30/99
% Moisture: not dec	Date Analyzed: 05/01/99
Column: (pack/cap) <u>CAP</u>	Dilution Factor: 1.00
	ENTRATION UNITS: L or ug/kg) <u>UG/L</u>
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	1			
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	1 Q 1
=======================================	_======================================	======		
1.	SILANE	9.025	8 .	J
		l		

VOLATILE ORGANICS ANALYSIS SHEET TENTATIVELY IDENTIFIED COMPOUNDS

B0VDC9	

EPA SAMPLE NO.

10985001001
SAS No.: SDG No.:
Lab Sample ID: 9904L832-003
Lab File ID: <u>n050107</u>
Date Received: 04/30/99
Date Analyzed: 05/01/99
Dilution Factor: 1.00
CONCENTRATION UNITS:

CAS NUMBER	COMPOUND NAME	 RT	EST. CONC.	0
				====
1.	SILANE	9.026 	 8 	J

FORM 1 VOA-TIC

1/87 Rev.

VOLATILE ORGANICS ANALYSIS SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

 B0VDC6				
<u> </u>				

Lab Name: Recra.LabNet Contract: 10985001001

Lab Code: Recra Case No.: ____ SAS No.: ___ SDG No.: ___

Matrix: (soil/water) WATER Lab Sample ID: 9904L832-004

Sample wt/vol: 1.00 (g/mL) ML Lab File ID: h051213

Level: (low/med) MED Date Received: 04/30/99

% Moisture: not dec. ____ Date Analyzed: 05/12/99

Column: (pack/cap) CAP Dilution Factor: 8.00

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.] Q
=======================================		======	==========	
1. 76131	ETHANE, 1,1,2-TRICHLORO-1,2,	8.617	200000	nj
2. 142825	HEPTANE	14.374	8000	NJ
3. 98828	BENZENE, (1-METHYLETHYL)-	20.240		NJ
4. 104767	1-HEXANOL, 2-ETHYL-	21.850		NJ
5. 103093	ACETIC ACID, 2-ETHYLHEXYL ES	22.650	10000	NJ
				1

VOLATILE ORGANICS ANALYSIS SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	EPA	SAMPLE	NO.
Ι.			
ŀ	VBLKA	AR	_

	VBLKAR
Lab Name: Recra.LabNet Contract:	10985001001
Lab Code: Recra Case No.:	SAS No.: SDG No.:
Matrix: (soil/water) WATER	Lab Sample ID: 99LVN134-MB1
Sample wt/vol: _5.00 (g/mL) ML	Lab File ID: <u>n050104</u>
Level: (low/med) <u>LOW</u>	Date Received: 05/01/99
% Moisture: not dec	Date Analyzed: 05/01/99
Column: (pack/cap) CAP	Dilution Factor: 1.00
Number TICs found: 0	CONCENTRATION UNITS:

CAS	NUMBER	COMPOUND NAME	RT	EST. CONC.	 Q
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VOLATILE ORGANICS ANALYSIS SHEET TENTATIVELY IDENTIFIED COMPOUNDS

BEN BARREDE MO.	EPA	SAMPLE	NO.
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IEMINIIVADI IDEMIIFIAD COMPON	VBLKCE	
Lab Name: Recra.LabNet Contract: 1	· · · · · · · · · · · · · · · · · · ·	-
Lab Code: Recra Case No.:	SAS No.: SDG No.:	
Matrix: (soil/water) - BOTT Water	Lab Sample ID: 99LVH154-MB1	-
Sample wt/vol: 1.00 (g/mL) G	Lab File ID: <u>h051204</u>	
Level: (low/med) MED	Date Received: 05/12/99	
% Moisture: not dec0	Date Analyzed: 05/12/99	
Column: (pack/cap) CAP	Dilution Factor: 8.00	
	CONCENTRATION UNITS:	
Number TICs found: 0	(ug/L or ug/Kg) UG/KG	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	 Ω
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1.		ĺ		ĺ
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Recra LabNet - Lionville Laboratory VOA ANALYTICAL DATA PACKAGE FOR TNU-HANFORD B99-062

DATE RECEIVED: 04/30/99 RFW LOT # :9904L832

CLIENT ID	RFW #	XTM	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
B0VDC7	001	W	99LVN134	04/28/99	N/A	05/01/99
B0VDC8	002	W	99LVN134	04/28/99	N/A	05/01/99
B0VDC9	003	W	99LVN134	04/28/99	N/A	05/01/99
BOVDC6	004 M1	W	99LVH154	04/28/99	N/A	05/12/99
LAB QC:						
						
VBLKAR	MB1	W	99LVN134	N/A	N/A	05/01/99
VBLKCE	MB1	W	99LVH154	N/A	N/A	05/12/99

20513-97

99041832

Custody Transfer Record/Lab Work Request

(9) Schnell



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Est. Final Pro	il: Samp	lina Date					#/Type	Container	Liqu (2) Solid	80.5 (4.8)			O A S	LE CA	€ 5481 375.03	* 5			20 Est.					4
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CODES:	Lab ID	Clien	nt ID/Descri _l	otion	Cho	C osen /)	Matrix	Date Collected	Time Collected	1.7	K.S.			0ديدي										
SE - Sediment SO - Solid					MS	MSD		<u> </u>		020	189			0										
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Collector R. Nielson/D. Bowers		Compa	iny Contact Kessner	Telepho 375-4	ne No. 688		JF V	Project Coordi WEISS, RL	nator .	Price Code			IFD2FOUR
roject Designation 3728 Building Floor Sealer		Sampli 300	ing Location Area				<u>l</u> e	SAF No. 399-062		72 h	115	usir	ness I
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	·		·		·]	COA ME	412	3 48/		·	·
POSSIBLE SAMPLE HAZA	RDS/REMARKS		Preservation	Cool 4C	HCI to pH <2 Cool 4C				,				
			Type of Container	aGs*	aGs*								
Special Handling and/or Stor	'age		No. of Container(s) Volume	1 1000mL	3 40mL								
Cool 4C	SAMPLE ANA	LVSIS		Semi-VOA - 8270A (TCL)	VOA - 8260Å (TCL)		<u></u>						
· Sample No.	Matrix *	Sample Date	Sample Time			Santana Santana Santana Santana						France and	
OVDC7	Water	4-28-90	1306	X	X						1		
VDC8	Water	4-28-90		X	X			1			ļ		
VDC9	Water	4-28-99	1628	X	X			-					
					SPECIA	L INSTRU	CTIONS			<u> </u>		Matrix	
HAIN OF POSSESSION	lieson428	OD Sign/Print	. 1A 428	199 1	** Close	e SDG upon re	eccipt.	•				Soil Water Vapor Other Solid	
inquished By sf / A 4-28- inquished By 9049 Bowers ong Bowers 4	19 0930	Received By	Daller Da	te/Time 19/09 te/Time	- 1							Other Liquid	
inquished By	Date/Time	Received By	Dad	te/Time	0	iples	fro	W Nosy	· r •	l oree		ate/Time	
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Bechtel Hanfor	d Inc.	C	HAIN OF CUS	TODY/SA	MPLE A	NALYS	IS R	EQUES	\mathbf{r}	В	99-062-01	Page <u>1</u>	of <u>1</u>
Collector R. Nielson/D. Bowers	,,,		pany Contact in Kessner	Telephon 375-46			Pro Wi	oject Coord	instor	Price Code		Data Tu	rnaround .
Project Designation 3728 Building Floor Sealer		Samp 100	ling Location					F No. 9-062		72	hrs	usin	iess D
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POSSIBLE SAMPLE HAZ	ARDS/REMARKS		Preservation	Cool 4C									
			Type of Container	aGs*									
Special Handling and/or Sto Cool 4C	orage	,	No. of Container(s) Volume	1 40mL			,						
	SAMPLE ANAI	YSIS	L	VOA - 8260A (TCL)				•					
· Sample No.	Matrix *	Sample Date	Sample Time						L Company				
B0VDC6	o Flisheld 4 Rd	4-26-4	9 1326	X		·							
	70 70									 -			
		·								 			
CHAIN OF POSSESSION Relinquished By Doug Days	r) Date/Time	Sign/Prin	772 7 1/29 De	nte/Time -1 -28-21//	VOA bottles	30VDC6 is or only for this :	riginal flo sample.	or sealant mak	erial (greate	r than 40% org	anic). Ship	Matrix Soil Water Vapor Other Solid	r
Relinquished By Caolar ERC97-07 Relinquished By Davy Bairage	Date/Time 1 4-29-19/09/ Date/Time	Received By Received By	acres 4.29	te/Time		ic	e j	n E	PC 17	-079		Other Liquid	
any Boness y Relinquished By Delever 4:	Date Filme 30 94 49 60	Received By D Smu	Da	te/Time	Sam.	Jos ¥	s on	1 non	; v o d	o n ra			
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FINAL SAMPLE Disposal N DISPOSITION	lethod					Disposed By	,				Dat	e/Time	



Chemical and Environmental Measurement Information

Recra LabNet Philadelphia **Analytical Report**

Client: TNU-HANFORD B99-062

RFW#: 9904L832

SDG/SAF #: H0395/B99-062



W.O. #: 10985-001-001-9999-00

Date Received: 04-30-99

<u>(6-1)-99</u> Date

SEMIVOLATILE

Three (3) water samples were collected on 04-28-99.

The samples and their associated QC samples were extracted on 05-03-99 and analyzed according to criteria set forth in Recra OPs based on SW 846 Method 8270B for TCL Semivolatile target compounds on 05-09,11-99.

The following is a summary of the QC results accompanying the sample results and a description of any problems encountered during their analyses:

- 1. The cooler temperature upon receipt has been recorded on the chain-of-custody.
- 2. All required holding times for extraction and analysis were met.
- 3. Non-target compounds were detected in the samples.
- 4. The levels reported for Dimethylphthalate and Di-n-butylphthalate in sample B0VDC9 exceeded the calibration range; however, this analysis was for screen purposes and dilution was not required.
- 5. Two (2) of thirty (30) surrogate recoveries were outside EPA QC limits. The out of criteria surrogate recoveries reported for sample B0VDC9 are due to a probable matrix effect.
- 6. All blank spike recoveries were within EPA QC limits.
- 7. The method blank contained the common laboratory contaminants Di-n-butylphthalate and Bis(2-ethylhexyl)phthalate at levels less than the CRQL.

J. Michael Taylor Vice President

Philadelphia Analytical Laboratory

som\gorup\data\bna\tnu04832.doc

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 13 pages.

01

GLOSSARY OF BNA DATA

DATA QUALIFIERS

- U = Compound was analyzed for but not detected. The associated numerical value is the estimated sample quantitation limit which is included and corrected for dilution and percent moisture.
- J = Indicates an estimated value. This flag is used under the following circumstances: 1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; or 2) when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. For example, if the limit of detection is 10 ug/L and a concentration of 3 ug/L is calculated, it is reported as 3J.
- B = This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination. This flag is also used for a TIC as well as for a positively identified TCL compound.
- E = Indicates that the compound was detected beyond the calibration range and was subsequently analyzed at a dilution.
- D = Identifies all compounds identified in an analysis at a secondary dilution factor.
- I = Interference.
- NO = Result qualitatively confirmed but not able to quantify.
- A = Indicates that a TIC is a suspected aldol-condensation product.
- Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
- X = This flag is used for a TIC compound which is quantified relative to a response factor generated from a daily calibration standard (rather than quantified relative to the closest internal standard).
- Y = Additional qualifiers used as required are explained in the case narrative.

mmz\10-94\gloss.bna



GLOSSARY OF BNA DATA

ABBREVIATIONS

BS = Indicates blank spike in which reagent grade water is spiked with the CLP matrix spike solutions and carried through all the steps in the method. Spike recoveries are reported.

BSD = Indicates blank spike duplicate.

MS = Indicates matrix spike.

MSD = Indicates matrix spike duplicate.

DL = Suffix added to sample number to indicate that results are from a diluted analysis.

NA = Not Applicable.

DF = Dilution Factor.

NR = Not Required.

SP, Z = Indicates Spiked Compound.

mmz\10-94\gloss.bna



Recra LabNet - Lionville Laboratory

RFW Batch Number: 9904L832

*= Outside of EPA CLP QC limits.

Semivolatiles by GC/MS, HSL List

Client: TNU-HANFORD B99-062 Work Order: 10985001001

Report Date: 05/10/99 12:14

Page: la

Cust ID: BOVDC7 BOVDC8 BOVDC9 SBLKVJ SBLKVJ BS RFW#: 100 Sample 002 003 99LE0535-MB1 99LE0535-MB1 Information Matrix: WATER WATER WATER WATER WATER D.F.: 1.00 1.00 1.00 1,00 1.00 Units: UG/L UG/L UG/L UG/L UG/L Nitrobenzene-d5 68 왕 8 140 * % ۶ 72 Surrogate 2-Fluorobiphenyl 57 ş 59 ş 76 옿 60 ş. 68 ş Terphenvl-d14 66 ջ ۶ 79 ę. ક્ષ 73 왉 80 Recovery Phenol-d5 2 * % ક 67 39 2 63 2 42 2-Fluorophenol 64 22 ٠, ą. 70 2 33 64 8 2,4,6-Tribromophenol 74 35 82 81 89 Phenol 1.0 1.0 10 II 10 U 72 bis(2-Chloroethyl)ether____ U 10 U IJ 10 10 U 10 U 10 2-Chlorophenol____ 10 [] 10 IJ 10 U 10 11 69 1.3-Dichlorobenzene____ IJ 1.0 IJ 10 11 10 U \mathbf{U} 10 10 1.4-Dichlorobenzene____ 10 U 10 U 10 U 10 U 42 1,2-Dichlorobenzene____ ŢΤ ŢΤ 10 10 10 U 10 U 10 U 10 U 10 U 10 U 10 II 10 II 10 IJ 10 U 10 U 10 U 10 U 4-Methylphenol____ 10 U 10 U 10 U 10 U 10 U N-Nitroso-di-n-propylamine____ 10 U 10 U 10 U 10 U 71 Hexachloroethane____ 10 IJ 10 U 10 U 10 U 10 U Nitrobenzene____ 10 IJ 10 U 10 U 10 U 10 U Isophorone_____ 10 U 10 U 10 U 10 U 10 [] 2-Nitrophenol____ IJ 10 10 U 10 U 10 U 10 U 2,4-Dimethylphenol____ U 10 10 U 10 U 10 U 10 U bis(2-Chloroethoxy)methane____ 10 IJ 10 U 10 U 10 II 10 U 2,4-Dichlorophenol 10 U 10 U 10 U 10 U 10 U 1,2,4-Trichlorobenzene U 10 10 U 10 U 10 U 45 **%** Naphthalene____ 10 IJ 10 U 10 U 10 U 10 U 4-Chloroaniline____ 10 Ū 10 U 10 U 10 U 10 U Hexachlorobutadiene____ Ū 10 U 10 U 10 U 10 U 4-Chloro-3-methylphenol____ 10 U 10 U 10 U 10 U 70 왕 2-Methylnaphthalene____ U 10 10 U 10 U 10 U 10 U Hexachlorocyclopentadiene 10 U 10 U 10 11 10 U 10 U 2.4,6-Trichlorophenol____ 10 U 10 U 10 U 10 U 10 U 2.4,5-Trichlorophenol____ 25 U 25 U 25 11 25 U 25 U

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Carbazole	10	Ü	10	บ	10	Ū	10	Ū	10	Ü	
Di-n-butylphthalate	10	Ü	10	U	10	Ū	10	Ü	10	Ü	
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3,3'-Dichlorobenzidine	10	U	2	J	10	Ū	10	Ū	10	Ū	
Benzo(a)anthraceneChrysene	10	Ü	10	Ū	10	Ū	10	บ	10	Ū	
Chrysene	10	U	10	Ü	10	U	10	U	10	Ū	
	10	ប	10	Ü	10	Ü	10	Ū	10	บ	
bis(2-Ethylhexyl)phthalate		U	10	Ü	2	JB	2	J	10	Ū	
Di-n-octyl phthalate	10	U	10	U	10		10	Ū	10		
Benzo(b)fluoranthene	10	บ	10		10		10		10		
Benzo(k)fluoranthene	10		10		10		10		10		
Benzo(a)pyrene	10		10		10		10		10		
Indeno(1,2,3-cd)pyrene			10		10		10		10		
Dibenz(a,h)anthracene	10		10		10		10		10		
Benzo(g,h,i)perylene	10 10	บ		ΰ	10		10		10		

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

1	
B0VDC7	
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Lab Name: Recra.LabNet

Contract: 10985001001

SAS No.: _____ SDG No.: ____

Matrix: (soil/water) WATER

Lab Sample ID: 9904L832-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 0050909

Level: (low/med) LOW

Lab Code: Recra Case No.: ____

Date Received: 04/30/99

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 05/03/99

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/99

Injection Volume: 2.0(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: __7.0

Number TICs found: 2

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>

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į	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1	*********	~~~~~~~~~~~~~~~~	****	=======================================	****	
Ì	1.	UNKNOWN	7.32	5	JВ	
-	2.	UNKNOWN	7.67	2	J	
ĺ		İ	1			

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

1			
BOVDC	8		
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Lab Name: Recra.LabNet

Contract: <u>10985001001</u>

Lab Code: Recra Case No.: ____ SAS No.: ___ SDG No.: ___

Matrix: (soil/water) WATER Lab Sample ID: 9904L832-002

Sample wt/vol: $\underline{1000}$ (g/mL) $\underline{\text{ML}}$ Lab File ID: $\underline{\text{D050910}}$

Level: (low/med) LOW Date Received: 04/30/99

% Moisture: ____ decanted: (Y/N)__ Date Extracted: 05/03/99

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/09/99

Injection Volume: 2.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: $_{7.0}$

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	METHOXYETHOXYETHANOL	7.32	7	J
2.	UNKNOWN	9.00	10	J
3.	BUTOXYETHOXYETHANOL	11.69	90	J
4. 95-16-9	BENZOTHIAZOLE	12.59	4	JN
5. 149-30-4	2-MERCAPTOBENZOTHIAZOLE	20.92	4	JN
6.	ALKANE	24.74	4	J
1		ĺ	 	ł "i

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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

1	B0VDC9	 ·			_
	l	 			

Lab Name: Recra.LabNet

Contract: <u>10985001001</u>

Lab	Code:	Recra	Case No.:	SAS No.:	SDG No.:
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Matrix: (soil/water) WATER Lab Sample ID: 9904L832-003

Sample wt/vol: $\underline{1000}$ (g/mL) $\underline{\text{ML}}$ Lab File ID: $\underline{\text{D050911}}$

Level: (low/med) LOW Date Received: 04/30/99

% Moisture: ____ decanted: $(Y/N)_{-}$ Date Extracted: 05/03/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/09/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: $\underline{7.0}$

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SILOXANE	10.89	500	J
2.	BUTOXYETHOXYETHANOL	12.35	20000	J
3.	UNKNOWN	20.03	500	J
4.	UNKNOWN	20.31	1000	J
5.	2-BUTOXYETHANOL PHOSPHATE	23.00	400	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	EPA	SAMPLE	NO.	
1				
	SBLK	J J		

Lab Name: Recra.LabNet Con

Contract: 10985001001

Lab Code: Recra Case No.: ____ SDG No.: ____

Matrix: (soil/water) WATER Lab Sample ID: 99LE0535-MB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 0051103

Level: (low/med) LOW Date Received: 05/03/99

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 05/03/99

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/11/99

Injection Volume: 2.0(uL) Dilution Factor: 1.00

2220101 101011 <u>213</u>(02)

GPC Cleanup: (Y/N) N pH: _7.0

Number TICs found: 7 (ug/L or ug/Kg) UG/L

1				
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	*************			~~~-
1.	UNKNOWN	6.01	2	J
2.	UNKNOWN	6.45	2	J
3.	UNKNOWN	6.72	4	J
4.	UNKNOWN	6.97	4	J
5.	UNKNOWN	7.02	7	J
6.	UNKNOWN	7.33	6	J
7 .	UNKNOWN	13.07	2	J
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Recra LabNet - Lionville Laboratory BNA ANALYTICAL DATA PACKAGE FOR TNU-HANFORD B99-062

DATE RECEIVED: 04/30/99 RFW LOT # :9904L832

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
B0VDC7	001	—— —— W	99LE0535	04/28/99	05/03/99	05/09/99
BOVDC8	002	W	99LE0535	04/28/99	05/03/99	05/09/99
BOVDC9	003	W	99LE0535	04/28/99	05/03/99	05/09/99
LAB QC:						
SBLKVJ	MBl	W	99LE0535	N/A	05/03/99	05/11/99
SBLKVJ	MB1 BS	W	99LE0535	N/A	05/03/99	05/11/99

8 Schnell

99041832

Custody Transfer Record/Lab Work Request



Client TNU	Harry	m Sir M	ALC: YOU) (t e	\$ 4V	Refrigerator #				3 3											
Fet Final Dr	J. Warne	liho Dare	4.00				#/Туре	Container	Liqu ig Said	+36		\$ 100 m		16.0								
Projec kas Projec kas							Volume		Elquid Solid	No.	10 P											
RECHA Prote	ct Marie	Secretary.					Preserv	atives	4				14000 TOWN	100		Say E.	1.00				8.74	
AECH (Arch Constant)	De	SARA	HOTEL								ORG			375			INORC		a anger			
Date Rec'd 4	13019	90	ate Due _	5/3	199		REQUE		-	Ϋ́O	BNA	Pest/ PCB	Herb				Metal	Z 2				
ately of Attacks					Ma	trix		1					1		RECR.	A Lab	Net Us	se Only		↓		
MATRIX CODES: S- Soil	Lab ID	Clie	nt iD/Descrip	otion	Cho	C sen	Matrix	Date Collected	Time Collected	NAZ.	1287			2530								
SE - Sediment	יטו				<u></u>	2				2	200			X		- {	1				İ	
SO-Solid SL-Sludge			i Valor a media	angrapiska Product	MS	MSD	in simple	ng pang sala	LEVY V-CLAS	0	a			O J		SE 21			No kill delet			
W-Water O-Off	<u>@</u>	Boy	DC7				1.0	ariasi	1306	250	X		War wall	7 V			en en en en en en en en en en en en en e					124
A - Air	002	BOV	DCB !	# E			in M	3 \ X	القفاز	*	10	g a.		1	12.05	3	4.				<u>. 43.</u>	
DS - Drum Solids	003	Boy	DC9 :				1	144	1629	X	*										110	
DL • Drum Liquids	004	Committee of the second second second	bc6						226						(A)							
L - EP/TCLP Leadlete	120-1-		TWO ST	Wed at the	130			(Circles	10.00	V FA	1							14				
WI-Wipe X-Diber	}			100					14.5				1.5	1102								
F - Fish	}			200 al 2 - 11				Program		1		•	M. P. D.		South St						Sult Or	
	 				10.25	11 TO	- A		100	14 . 4										10		
		Control of the second		4.0.3.4) C LOM				6 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /	erry O. Charles		10.00				3					- X		
					14	13.00	i piloti y	H 4 1									1 M - 1	7. 11.27		7.3		
							700	第二十二条		1000	N. P.		19683	建设计			生物學		7 F	N H		
FIELD PERSO		OMPLETE OF	NLY SHADED	AREAS		° ل	ATE/REV	1 2	MA C	QC	6	2eas	w	ed	•	1		REC	CRA Lab	Net Use	Only	
Special instru						-	1.100		1.1	400	60	4	n m	100	91		Sample	es were:		COC Tap		
06CSC	- 1	ee so	teve a	vesse	M	\$	מציניונכ	2	ala_	00	<u> </u>	بي	270	1 2 2			1) Ship	pped <u> </u>	or	1) Preser Package	nt on Out	er N
}	_					-		3				·					Airbill	# *		2) Unbro		
						-		4	· · · · · · · · · · · · · · · · · · ·								•	bient or (_	Package		
{	CO	MPOSIT	E					5								[3) Rec	eived in ion 🗭	Good or N	3) Preser	nt on Sam Or	
{	Y	NASTE				~										1	4) Lab	els Indic	ate	4) Unbroi	KBA-OIT	
l 								6			7						Proper	ly Prose	rved or N	Sample	(Y)or	
Relinquished	R	eceived by	Date	Time	Reli	rquist by	Tb	1954°	NI	P td	ी भी	me		•	s Betwee des and	ก	5) Rec	eived W		COC Red Upon Sai	nole Rec	er l
by C	101		412400	2000	}		717		11 4/					Record	7 Y or	Ŵ	•	g Tim <u>e</u> s	or N	•	⊘ or	N
YED Ex	1 Puly	man	14/3d99	υζω	-	R	EV	VR		E	N				795	3 5	371	U	J, 14	4.3	•	

Bechtel Hanford I	ne.	HAIN OF CUS	TODY/S	SAMPL	E ANAI	LYSIS	REQUEST	r	B	99-062-02	Page 1	of <u>1</u>		
Collector R. Nielson/D. Bowers			Comp	any Contact n Kessner	Telepho 375-	one No. 4688			Project Coordin	nator .	Price Code	 	Data Tu	rnaround
Project Designation 3728 Building Floor Sealer	- 4 4 22 6		Samp	ling Location Area					SAF No. B99-062		72 h	k has usin		ess D
Ice Chest No. ERC 99-6	197012		Field EL-	Logbook No. 1381-2		, , , , , , , , , , , , , , , , , , , 	Method of Shipment Federal Express							
Shipped To TMA/RECRA 133 4-21-79				Property No. A 990126					Bill of Lading/A	ir Bill N フタ	6. 52 5	37)		
	·					- y		· <u>-</u>	COAME					
POSSIBLE SAMPLE HAZARI	DS/REMARKS			Preservation	Cool 4C	HCl to pH <2 Cool 4C								
				Type of Container	aGs*	aGs*								
Special Handling and/or Storag Cool 4C	ge			No. of Container(s) Volume	1000mL	3 40mL								•
	SAMPLE ANAL	YSIS	· • · · · · · · · · · · ·		Semi-VOA - 8270A (TCL)	VOA - 8260A (TCL)			·					
Sample No.	Matrix *	S	ample Date	Sample Time				Administra						
B0VDC7	Water	4	-28-9	7 1306	X	X								
BOVDC8	Water	4.	-28-4	7 1621	X	X								
BOVDC9	Water	4.	-28-90	1 1628	X	X								
								 						
CHAIN OF POSSESSION	170	D	Sign/Prin		<u> </u>	·· Ci	AL INSTR		vs		<u></u>		Matrix *	
CONCENSION OF LAN	eson#289	A Rec	ceived By Do	· 14 4 28	ACTime	00)							Water Vapor Other Solid Other Liquid	
Ref 14 4-29-99 Relinquished By Dory Downs	Date/Time 19-19/63	Rec	ceived By	Da Da	19/094 te/lime	0								
Hangbourn 4.1 Relinquished By HeD Ex 4/ar	Date/Time		eived By	Dat	te/Time	50	mysles	fre	Shu Most	rod	opeq			
LABORATORY Received By SECTION	7		71		Tinl			- 				Date	e/Time	
FINAL SAMPLE Disposal Metho DISPOSITION								Disposed By Date/Time						

Bechtel Hanford	Inc.	CH	IAIN OF CUS	FODY/S	AMPL)	E ANAL	YSIS	REQUEST		B99-062-01		of <u>1</u>
Collector			ny Contact Kessner	Telephon 375-46				Project Coordinator WEISS, RL	Price	Code	Data Tu	rnaround
R. Nielson/D. Bowers Project Designation 3728 Building Floor Sealer			ng Location	373-40				SAF No. B99-062		72 hrs	usir	iess D
Ice Chest No.	00}	Field L EL-I	ogbook No. 381-2					Method of Shipment Federal Express				
Shipped To TMA/RECRA 4 27-7 9 A TR		Offsite	Property No. 9901み5	-				Bill of Lading/Air B	11 No. 952	5360 -	4.8	
								COA				
POSSIBLE SAMPLE HAZA	ARDS/REMARKS		Preservation	Cool 4C								
			Type of Container	aGs*								
Special Handling and/or Sto Cool 4C	rage		No. of Container(s) Volume	1 40mL								
	SAMPLE ANAL			VOA - 6260A ((TCL)								
Sample No.	Matrix *	Sample Date	Sample Time								?	
B0VDC6	o this war	4,28.99	1326	X								
	7070					 	}					
CHAIN OF POSSESSION	D. Circ	Sign/Print		ate/Time	VOA	TAL INSTR ample BOVDC bottles only follose SDG upon	6 is origin or this sam	ial floor sealant material (g	reater than 4	10% organic). Ship	Matrix Soil Water	•
Relinquished By	linguished By Date/Time, Received By Doug & Control					·	-	· Ha			Vapor Other Solid Other Liquid	ļ
Relinquished By Doug Barry Bar	elinquished By Davy Barrers Date/Time Received By any Barrers 4-39-11/1076 Food Ex elinquished By Date/Time Received By Delle 430 99 page D. Smith 430							in Eac				
LABORATORY Received By SECTION				Tule						Da	te/Time	
FINAL SAMPLE Disposal M DISPOSITION	fethod			Disposed By Date/Time								



Chemical and Environmental Measurement Information

Recra LabNet Philadelphia Analytical Report

Client: TNU-HANFORD B99-062

RFW#: 9904L832

SDG/SAF#: H0395/B99-062

W.O #: 10985-001-001-9999-00

Date Received: 04-30-99

GC SCAN

The set of samples consisted of (3) aqueous samples collected 04-28-99. Sample B0VDC6 was used as reference matrial for the analysis.

The samples were analyzed using GC-FID direct injection for characterization analysis on 05-07-99.

- 1. The quantitative reference was a 100-fold dilution of sample B0VDC6 into reagent water.
- 2. The analysis results are summarized as follows:

			C		
	Retention Time (min)	B0VD6 1:100 dilution	B0VDC7	B0VDC8	B0VDC9
Peak 1	0.830	120487	7346	8000	8637
Peak 2	3.820	568048	0	0	102862
Peak 3	8.700	75780	0	0	0
Sum of Peal	k Heights	764315	7346	8000	111499
	~	Result (% of B0VD6)	0.010	0.010	0.15

J. Michael Taylor

Vice President

Philadelphia Analytical Laboratory

R:\SHARE\LC\GCSCAN\04-832.doc

(0-1)-C Date

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 4 pages.

99041832

Custody Transfer Record/Lab Work Request

Constant TNU	Hami	15 1 1 1 P	40-110	0 34	· 67-2	79.00	Ratrige	rator #		TT	3			3										
Client NU Hartan B49-0102 Est Final Proj. Sampling Date			#/Type Container Liquid			Bas	معد	W.	15	la.						1 2 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			- 914 - G-08-8	7.1.				
Project 15 L	1495	3.50 m	101-99	19-00-	ran i	77.4	Solid		0	100 100 2000	a 1.550 . L. w		40	200	100 April 100 Ap	3 (26) 3 (8)	arabi c	3			3.4			
Problet Conta	ci/Phor		ANT VERM		4.2.2	A Company	Volume Sol			<u> </u>	<u>خال</u>	Y 10	24 A			anere Algae		X.		1.30				
APPEND DAIL	PROBET Project Benedit 10 Co. Co. Co. Co. Co. Co. Co. Co. Co. Co.			7.7	Preservatives		2 3 4 4 4	HEL		37	C 12.	W	2004	*	No.		دو. د و تون	製業	140	44.4	366	4		
ne 1100	ور ت	SAH	TAT <u>. 7</u> 2	ک جما ا	da	44	ANIALV	PE6				ANIC						RG						為
Date Rec'd 4			ate Due	5/3	199		REQUE		-	Ş	BNA	Pest PCB	완				Metal	8						1.75 m
Account #							RECRA LabNet Use Only									12	Crac go							
MATRIX GODES:	Lab				Matrix QC		}	Date	Time	13	14 14		<u> </u>	2.	7					T				
9 Sol SE Sediment	ID I	Client IO/Description	Chosen (🗸)		Matrix Collected	Collected	Collected	12	# F. F. F. F. F. F. F. F. F. F. F. F. F.			N.	3330			1	}				, [}		
80 - Solid '					MS	MSD		<u> </u>	<u> </u>	8	63			0							ļ			1 200
St Sludge: W - Water	œ ₁	Bov	DC7 i				w.	40199	1306	X.	X			V					- () () () () () () () () () (
O-OF	002	Bov	DC8 🤚				1	2 1	1621	X	X		77.7		1.75	. ¥ %	12 N		10.00	14.5	* / 7%			- X
DB Drum - 1 Solida 14	003	Boy	DC9			3.4.	ريل ا	$\mathcal{L}_{\mathcal{L}}$	1628	X	X			,1	1.			10.	16.1. Sy.		12	1 - 1 C.		
DU#Drum FLiquids	004	m 10 m 2 m 2 m 2 m 2 m 10 m 10 m 10 m 10	DC6			1.00 mg	سَ	الماء	1326	W			1	X	20	94				1.3				
La MP/TCLP	-	. J. 30 S. XIII		144.45		\$ 15		42.16		6		1,51		2.3								- Ja		
Wile Wipe X : Other		40.7						11/4/5		4.7	100	12.3	37	1.12	3.7	27		71		*	14	LJ.S.	\$3/V	18.7
F in Fight	 -			Ta VII			4			i k		£.,	11.	1.10	(the			A.A.		100	A 44		110	543
	 			AUTT	1	41.71	1	21.79	100	12.5	17.3		19.5	人类	3.	7.67		1	#	7.1			1	70
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	}				-		100						1				11.1				**************************************			TO ST
FIELD PERSO	NNEL: C		ILY SHADED	AREAS				ISIONS:	-Λ	13 (1) (^	 	/	<u> </u>		<u> </u>		DECE	A Lat	Not I	se On	=====================================	<u>خوط</u>
Special Instru		 -						1	710 C	<u>uc</u>		<u>ceq</u>	w	rece			-							
ogese	- 1	100 AT	Taire is	vesse	ne		5/11/99	1 22	ded_	to	<u>GC</u>	<u>50</u>	æn	(0	04)		Sa 1)	mples v Shippe	were:	or		Tape wassent_on		r '
i agest	/					_		3									Ha	nd Deli bill # _	vered .		Packa	ige 🐼	or N	ı
]								4										Ambien	T	mean a		broken ige 🕢		
}	COMPOSITE							4,4,									3)	3) Received in Good 3) Present on Sample					ole	
WASTE						-	5								1	Condition O or N O or N								
							6,								4) Labels Indicate 4) Unbroken on Property Preserved Sample (Y or N					1				
Relinquished	F	eceived	Date	Time	Reli	pquisi by	*	Parelya	INI	Atd Time Discrepancies Between							or N COC Record Present 5) Received Within Upon Sample Rec't							
by	1.00	by	141_ :		-		廾鬥	F	HY		 		CO	iples La C Recor				Hecelvi Iding T	imes		орон	\bigcirc	or N	ı
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ł	1 1	•	ł	t I	{	R	C N	Y M			, p 👅		- *	123	579	52	53	71			<u>T.</u>	<u> </u>		

Bechtel Hanford	Inc.		СН	IAIN OF CUS	rody/s	AMPLE	ANAL	YSIS	REQUEST	r	B9	9-062-02	Page 1	of <u>1</u>	
Collector R. Niclson/D. Bowers			Company Contact Telephone No. Joan Kessner 375-4688						Project Coordi WEISS, RL	stor	Price Code		Data Turnaround		
Project Designation 3728 Building Floor Scaler	10 G		300 A			SAF No. B99-062		72 h	<u>~\$</u>	usiness D					
Ice Chest No. ERC 99-005 012				ogbook No. 381-2	Method of Ship Federal Expre)3								
Shipped To TMA/RECRA 137 4-31-19			Property No. 1990126	Bill of Lading/A リンタイ		0									
	·		·····					 	COA ME	412.	3 48/C	· 		,	
POSSIBLE SAMPLE HAZARDS/REMARKS				Preservation	Cool 4C	HCl to pH <2 Cool 4C									
}				Type of Container	aGs*	a/Gs*								ļ	
 Special Handling and/or Stor Cool 4C		No. of Container(s) Volume	1 1000mL	3 40mL											
	SAMPLE ANAI	Lysis	L.		Setni-VOA - 8276A (TCL)	VOA - 8260A (TCL)	·								
Sample No.	Matrix *	Samp	ple Date	Sample Time	39 A A A A A A A A A A A A A A A A A A A										
B0VDC7	Water	4-3	28-99	1 1306	人	χ				· <u>-</u> -			. ,		
B0VDC8	Water	4-7	28-99	1 1621	X	X									
B0VDC9	Water	4-2	8-99	1628	X	<i>X</i>					_				
											-			 	
CHAIN OF POSSESSION	SION Sign/Print Names SPECIAL INSTRUCTIONS "Close SDG upon receipt.										<u> </u>	Matrix Soil Water	•		
Religionished By De Place Time Received By the St. (A 4 78 199 1700)									•			Vapor Other Solid Other Liquid			
Relinquished By Dory Bower &		Receive		. Da	-19/09-1 ne/Time	0									
LABORATORY Received By	Date/Time 30 99 / 0900	Receive	ad By		19 070 Tit	<u> </u>	mioles	fre	M Now	· r*	e opea	Dav	e/Time		
SECTION FINAL SAMPLE Disposal M DISPOSITION	ethod						Dispose	ed By				Dat	e/Time		

Bechtel Hai	nford Inc.	CI	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST B99-062-01											
Collector R. Nielson/D. Bowen			any Contact n Kessner	Project Coordi WEISS, RL	nator .	Price Code	Price Code		Data Turnaround					
Project Designation 3728 Building Floor	Sealer	Sampl 100	ing Location N	SAF No. B99-062		72	hrs	usiness D						
lee Chest No. ERC 99	-00}	EL-	Logbook No 1381-2				Method of Ship Federal Expr	tss		04				
Shipped To IMA/RECRA 429-19 A IR			Property No. 990125	-			Bill of Lading/Air Bill No. 4235 7952 5360 - 4.8							
								COA		· · · · · · · · · · · · · · · · · · ·	·		 	
POSSIBLE SAMPLE	HAZARDS/REMARKS	}	Preservation	Cool 4C										
}			Type of Container	aGs*										
Special Handling and/ Cool 4C	No. of Container(s) Volume	40mL												
	SAMPLE ANAL	YSIS		VOA - 8260A (TCL)	<u> </u>									
Sample No.	Matrix *	Sample Date	Sample Time											
B0VDC8	10 FA	4-24-89	9 1326	X										
 	4.39-24					 	}						 	
 		·		}		 	 							
					 -	 	 				+			
CHAIN OF POSSESS		SPECIAL INSTRUCTIONS ** Sample BOVDC6 is original floor sealant material (greater than 40% organic). Ship VOA bottles only for this sample. ** Close SDG upon receipt.									Matrix * Soil Water			
Relinquished By Day 902 Relinquished By	ate/Time 1-28-71//	700			ر بن ا	4			Vapor Other Solid Other Liquid	!				
Relinquished By Dawy Bo A anny Bourse Relinquished By	Date/Time	Received By	Exi Di	19/09 ate/Time	<u>"</u> "	<i>-</i> } ,	<i>ا</i> ک	in E	rc 77	1-079				
Resinguished By Delle	4/30/99 4900	Received By D Smu	, J	te/Time	50	mples	r.	om hon	VA / L A	0 A A Ø	}			
LABORATORY Reserved		1 2 7/100	11271	Title			<u>' </u>	7 597	<u>, , , , , , , , , , , , , , , , , , , </u>	<u>-1.6</u>	Da	le/Time		
	posal Method	Method Disposed By Date/1												

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